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January 15, 2020

Connie Chen
Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: Monthly Report Summary #25 for the Mesa 500-kV Substation Project

Dear Ms. Chen,

This report provides a summary of the compliance monitoring activities that occurred during the period from **October 1 to 31, 2019**, for the Mesa 500-kilovolt (kV) Substation (Mesa Substation) Project in Los Angeles County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Southern California Edison (SCE) and their contractors comply with the requirements of the Final Environmental Impact Report (Final EIR) for the Mesa Substation Project, as adopted by the California Public Utilities Commission (CPUC) on February 9, 2017.

The CPUC has issued the following Notices to Proceed (NTPs) for the Mesa Substation Project to SCE:

- NTP #1 (September 27, 2017) – Vegetation removal and grading, water line relocation, Operating Industries Incorporated (OII) well removal, and various line relocations (transmission, subtransmission, distribution, and telecommunications).
- NTP #2 (November 15, 2017) – Remaining construction components, including vegetation removal and grading, and the removal, replacement, relocation, modification, and/or construction of perimeter and retaining walls, Mechanical Electrical Equipment Rooms (MEERs), operations and test and maintenance buildings, storm drains, lattice steel towers, various poles, underground trenches, concrete foundations, and associated components. Equipment modification at 29 satellite substations.

Onsite compliance monitoring by the Ecology and Environment, Inc. (E & E) compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Vince Semonsen visited the Mesa Substation construction sites on **October 3, 8, 16, 23, and 30, 2019**. Site inspection reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Several compliance concerns occurred during the period from October 1 to 31, 2019, however, overall, the Mesa Substation Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and SCE has been regular and effective; the correspondence pertained to and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/E & E and SCE, along with daily schedule updates and automated database notifications from SCE, provided additional compliance information and construction summaries. Furthermore, SCE's monthly compliance status report for October 2019 provided a compliance summary and included a description of construction activities from October 1 to 31, 2019, a detailed look-ahead construction schedule, a summary of compliance with Mesa Substation Project commitments (i.e., the MMs/APMs) for biological resources, cultural and paleontological resources, the Storm Water Pollution Prevention Plan (SWPPP), noise, and the Worker Environmental Awareness Program (WEAP), non-compliance issues and resolutions, and

public complaints and notifications.

Compliance Incidents

During the October 2019 reporting period, SCE self-reported one non-project related compliance observation, one project related compliance observation, and three project-related compliance incidents. The compliance observations and compliance incidents are described below.

- On October 2, 2019, a biologist observed a non-project crew driving a probe into the soil from beneath a large truck. The probe gathered data for geological work associated with a proposed METRO Line route.
- On October 2, 2019, SCE personnel notified the CPUC that the project failed to procure the required South Coast Air Quality Management District Permits to Construct/Operate for both stationery, permanent, back-up generators at the new Senior Mechanical Electrical Equipment Room and Mesa Operations Building.
- On October 12, 2019, a biologist observed two manlifts and one forklift lacking secondary containment underneath staged in Grading Area 1C (Mesa Operations Building). The incident was observed on the northern and western elevations of the Mesa Operations Building and was not within any listed species habitat. The area affected was surveyed and was completely within approved disturbance limits, with no further impacts visible. This incident conflicts with **MM HY-1: Stormwater Pollution Prevention**.
- On October 12, 2019, a biologist observed trash and micro-trash in an uncovered trash receptacle at the patio section on the eastern elevation at Grading Area 1C (Mesa Operations Building) and an auxiliary trash receptacle (40 foot trash bin with a tarp that left two foot sections uncovered at either end also resulting in possible animal entrapment issues - **MM BR-10**) approximately 175 feet north of the Restricted Use Area buffer in Grading Area 2B. The incident was observed at Grading Areas 1C and 2B and was not within any listed species habitat. The area affected was surveyed and was completely inside approved disturbance limits, with no further impacts visible. The trash consisted of organic and inorganic trash and was found in uncovered and inadequately covered receptacles. This incident conflicts with **MM BR-9: Construction Monitoring**.
- On October 24, 2019, a biologist observed an improperly uncovered trash receptacle in the vicinity of Grading Area 1C (Mesa Operations Building) reported as used by subcontractors of PRAVA Construction approximately 400 feet northeast of the Restricted Use Area buffer in Grading Area 2B. The incident was not within any listed species habitat. The area affected was surveyed and was completely inside approved disturbance limits, with no further impacts visible. The trash consisted of organic and inorganic trash and was found in an improperly covered receptacle. This incident conflicts with **MM BR-9: Construction Monitoring** and **MM BR10: Open Trenches and Pipes**.

During the October 2019 reporting period, the CPUC Compliance Monitor reported the following compliance concerns:

- On October 3, 8, 16, 23, and 30 2019, the CPUC Compliance Monitor noticed that drip pans placed under equipment remained an ongoing concern throughout the project site. The CPUC Compliance Monitor observed a large drill rig parked near the Senior Mechanical Electrical Equipment Room (MEER) and had a small drip pan inadequately placed under the engine. A loader and other equipment were parked near the southern boundary of the project site, and they also contained one small and poorly placed drip pan underneath. In addition, some pieces of equipment parked at the Mesa Operations Building had damaged drip pans, or no drip pans at all. The CPUC Compliance Monitor reported his concerns to onsite personnel.
- On October 8, 2019, the CPUC Compliance Monitor noted a significant amount of Russian thistle in the large detention basin. The Russian thistle was maturing and the CPUC Compliance Monitor recommended removal soon before they seed.

- On October 16, 2019, the CPUC Compliance Monitor noted an excavated hole partially covered with plywood and empty around the edges. The CPUC Compliance Monitor explained to personnel onsite the importance of sealing up the edges, in order to prevent small animal entrapment.
- On October 30, 2019, the CPUC Compliance Monitor noted a construction work area with significant dust blowing west across Markland Drive. The CPUC Compliance Monitor spoke to the operator and recommended getting a water truck to spray that work area to suppress dust

During the October 2019 reporting period, the CPUC did not issue a Non-Compliance.

Noise Compliance

There were no noise exceedances during the October 2019 reporting period.

Spills

During the October 2019 reporting period, there were no documented spills.

Public Concerns

There were no public concerns during October 2019.

Minor Project Changes

On July 23, 2019, SCE submitted MPC Request 007 to the CPUC. On October 9, 2019, SCE submitted Minor Project Change (MPC) request 009 to the CPUC. On October 31, 2019 SCE submitted an email approval request over the use of an additional bird deterrent outlined as a potential method in the Nesting Bird Management Plan for the Mesa Substation Project.

During October 2019, two MPCs were approved (see Table 1). As of October 31, 2019, the email request over the use of an additional bird deterrent remains under review.

Table 1: Minor Project Change Approvals for October 2019.

Description	Approval Date
MPC-07 involved transmission telecom crews accessing 12 existing fiber splice cases located on existing poles, manholes, or vaults in order to turn fibers to create communication paths between substations.	October 2, 2019
MPC-09 involved the installation of approximately 600-feet of two new 5-inch conduits between an existing manhole on the east side of the Service Center wall and an existing vault on the south side of Potrero Grande Drive (adjacent to the Service Center). driveway.	October 22, 2019

Sincerely,

Silvia Yanez
Project Manager, Ecology and Environment, Inc.

cc:
Lori Rangel, SCE
Don Dow, SCE

ATTACHMENT 1

CPUC Site Inspection Reports
October 3, 8, 16, 23, and 30, 2019

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	October 3, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS089
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear, warm temperatures with a slight breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1300 to 1500
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		
Are observed vehicles, equipment, and construction personnel staying within approved work areas	X		

and on approved roads?			
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?	X		
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1300 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). While driving to the substation, I noted large amounts of Russian thistle growing in the Transmission Corridor south of Highway 60.

The exit/entry rumble plates appeared to have been cleaned recently – Photo 1. Water trucks were being used to spray the unpaved access roads and the recently laid gravel – Photo 10.

Drip pans under equipment remained an ongoing issue throughout the project site. A large drill rig was parked near the Senior Mechanical Electrical Equipment Room (MEER) building and had a small drip pan inadequately placed under the engine – Photo 2. A loader and other equipment were parked near the southern boundary of the project site, and they each had a small and poorly placed drip pan underneath. I could see liquid on the ground — Photo 12. Some pieces of equipment parked at the Mesa Operations Building had damaged drip pans – Photo 13 – or no drip pans at all. I discussed my concerns about the drip pans with Project Coordinator Pete Lubich (ULM Services, Inc.).

Crews continued to connect equipment at the 220-kilovolt (kV) switchrack area connecting equipment – Photo 3. The ballards and electrical equipment were still being installed at several locations along the paved roads – Photos 4 & 9. New equipment was being delivered to the switchrack areas – Photo 6.

A crew was working on the northern boundary wall, and a "V" ditch was being excavated along the inside of the new wall – Photo 5.

The temporary catch basin berm installed within the 16-kV switchrack area was replaced with an asphalt berm – Photo 7. Pipes were placed through the berm. Eventually, ball valves will be installed in the piping.

The hydraulic fluid clean-up continued. Some contaminated gravel and drip pans were being collected – Photo 8. The large gate was installed at the southern boundary wall's opening – Photo 11.

I saw biological monitor Wayne Woodroof (Noreas) onsite and we discussed the monitoring activities. I also saw Project Coordinator Pete Lubich (ULM Services, Inc.) at the southern stockpile area; this area was significantly dusty, and he called for a water truck to spray this area.

Work continued at the Mesa Operations Building – Photo 14. Re-grading of the Transmission Corridor located north of Potrero Grande Drive also continued – Photo 15.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Drip pans need to be checked.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Removal of Russian thistle (a.k.a. tumble weed) should be completed soon, before it begins to separate and spread seeds.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

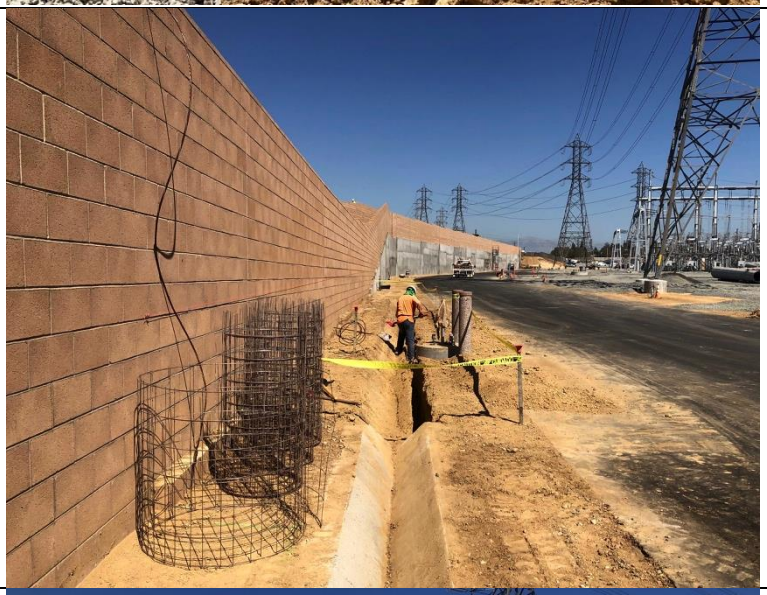
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

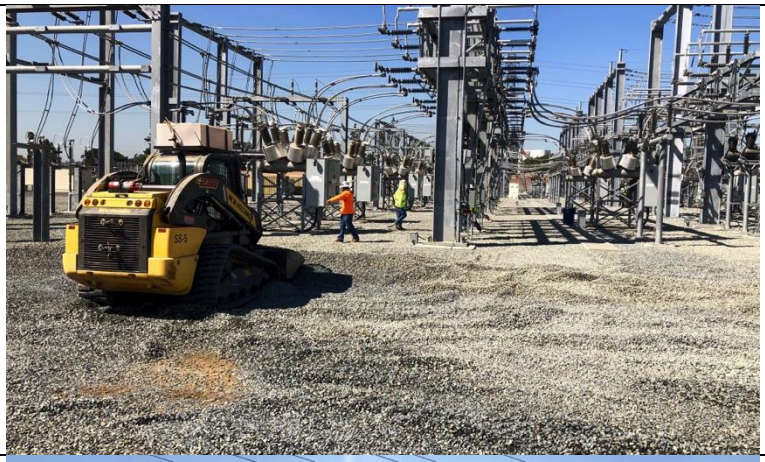
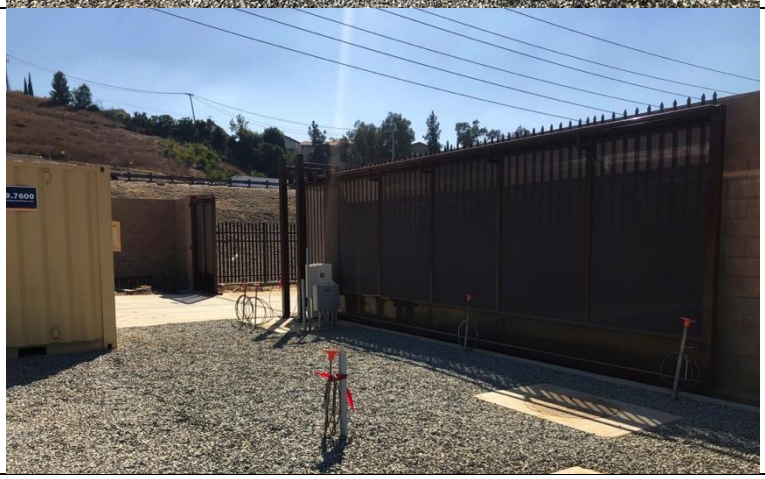
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

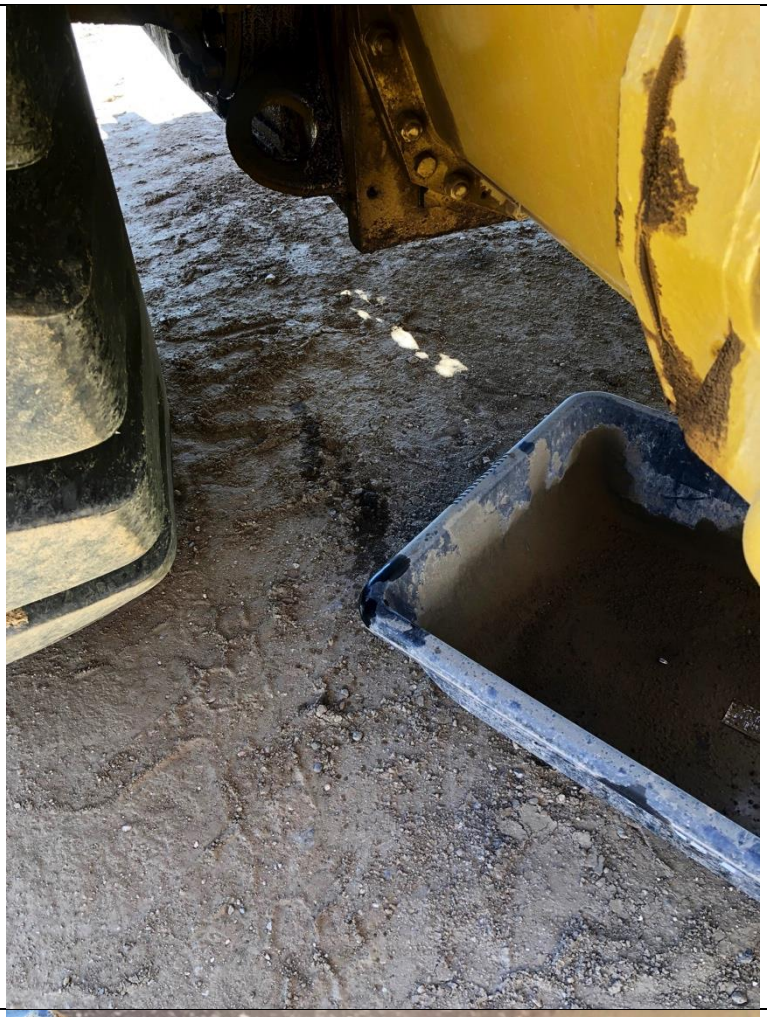
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

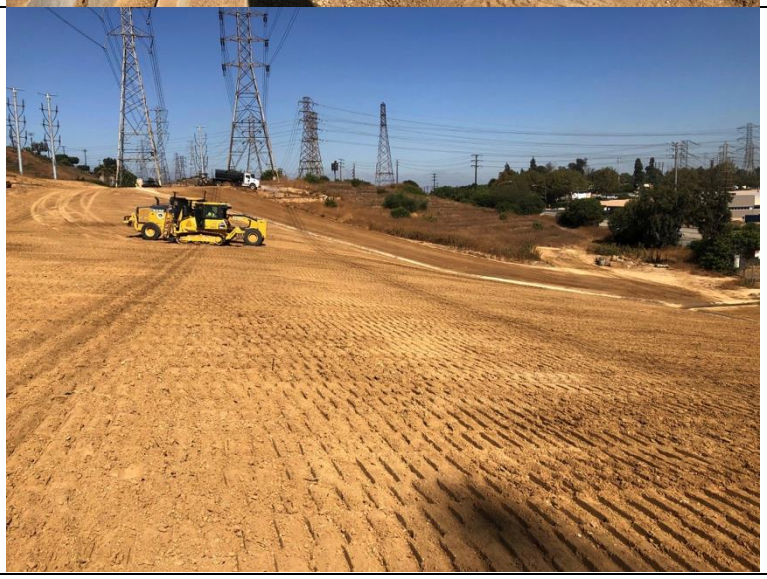
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Substation		Photo 1 – Rumble plates at the main project exit/entry were recently cleaned. Photo facing south.
10/03/19	Mesa Substation		Photo 2 – Inadequate drip pan placed under a big drill rig.
10/03/19	Mesa Substation		Photo 3 – Wire installation and equipment connection work continued within the 220-kV switchrack area. Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Substation		Photo 4 – Protective barrier installation. Photo facing west.
10/03/19	Mesa Substation		Photo 5 – Construction work along the northern boundary wall. Photo facing east.
10/03/19	Mesa Substation		Photo 6 – New equipment being delivered into the project site. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Substation		Photo 7 – New asphalt catch basin barrier within the 16-kV switchrack area. Photo facing west.
10/03/19	Mesa Substation		Photo 8 – Final cleanup of the hydraulic fluid spill.
10/03/19	Mesa Substation		Photo 9 – Barrier installation along the paved roadway. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Substation		Photo 10 – Gravel being spread thru the 66 kV rack area. Photo facing north.
10/03/19	Mesa Substation		Photo 11 – New gate along the southern roadway. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Substation		Photo 12 – Small drip pan that was improperly placed. Note - some leaking fluid was not captured.
10/03/19	Mesa Operations Building		Photo 13 – Damaged drip pan.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/03/19	Mesa Operations Building		Photo 14 – Construction work around the Mesa Operations Building. Photo facing east.
10/03/19	Mesa Substation		Photo 15 – Re-grading of the Transmission Corridor north of Potrero Grande Drive. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	10/07/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	10/07/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	October 8, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS090
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Clear with warm temperatures and a slight breeze
E & E CM:	Silvia Yanez	**Start/End Time:**	1245 to 1445
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		

Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?		X	
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1245 and notified Project Coordinator Pete Lubich (ULM Services, Inc.). I stopped at the Transmission Corridor, located south of Highway 6,0 to photo document the Russian thistle growing in and around the towers – Photo 1. Photo 10 shows the Russian thistle in the large detention basin. The Russian thistle was maturing and should be removed soon, before is begins spreading seed.

The exit/entry rumble plates at the main entrance remained clean. Water trucks were being used to spray the access roads to minimize dust. A street sweeper truck was used for cleaning Market Place Drive.

The same large drill rig was parked near the Senior Mechanical Electrical Equipment Room (MEER) building, and the same small drip pan was placed underneath – Photo 2. A better system of containment is needed for large parked equipment. The parked loader also had the same small and misplaced drip pan underneath – Photo 11. A parked backhoe that was previously operating on the eastern entrance did not have a drip pan placed underneath. The backhoe had excavated two holes, neither of which had climbing structures installed for trapped animals; I placed a board inside one of the holes – Photo 13. I notified Project Coordinator Pete Lubich (ULM Services, Inc.) of my concerns with containment and the lack of climbing structures.

Electrical equipment was being installed at numerous locations along the paved road throughout the project site – Photo 3. Crews continued to work on the equipment within the 220-kilovolt (kV) switchrack area. Large equipment was still being delivered to the switchrack areas – Photo 6.

Gravel installation continued along the northern boundary wall – Photo 4 – and within the access road in the southeastern portion of the project site – Photo 12. A crew was installing metal spikes on top of the northern boundary wall – Photo 5.

The asphalt temporary catch basin berm installed within the 16-kV switchrack area was removed and replaced with a temporary plastic and gravel bag berm – Photo 7.

I saw biological monitor Wayne Woodroof (Noreas) onsite and we discussed the monitoring activities.

I walked through the area outside of the southern boundary wall to look at the best management practices (BMPs). Upgrades had not been completed for the following: the Caltrans channel – Photo 8; the area farther east along the boundary wall – Photo 9; or the large detention basin – Photo 10.

At the Mesa Operations Building, a crew was preparing the small slope along the northern boundary to be poured with a cement slurry – Photo 14. Excess soil was stockpiled in the northwestern portion of the Mesa Operations Building construction area. That area appeared dusty and needed to be sprayed down for dust control – Photo 15.

It appeared that crews completed re-grading the Transmission Corridor north of Potrero Grande Drive. There were numerous fiber rolls stockpiled onsite – Photo 16. I contacted the Storm Water Pollution Prevention Plan (SWPPP) inspector, Lucy Cortez-Johnson (CASC), about meeting onsite to discuss the upgrades prior to the upcoming rainy season.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Drip pans need to be inspected for proper placement.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Removal of Russian thistle (a.k.a. tumble weed) should be completed soon, before it begins to separated and spread seeds. BMP upgrades are needed prior to the upcoming rainy season.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

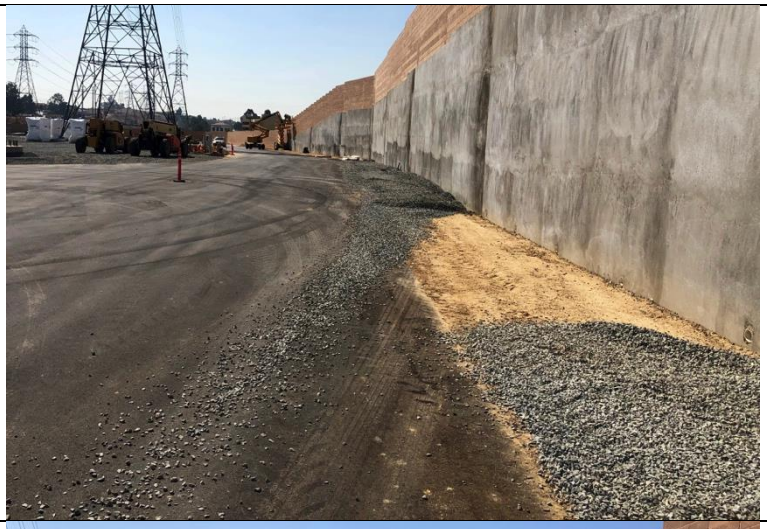
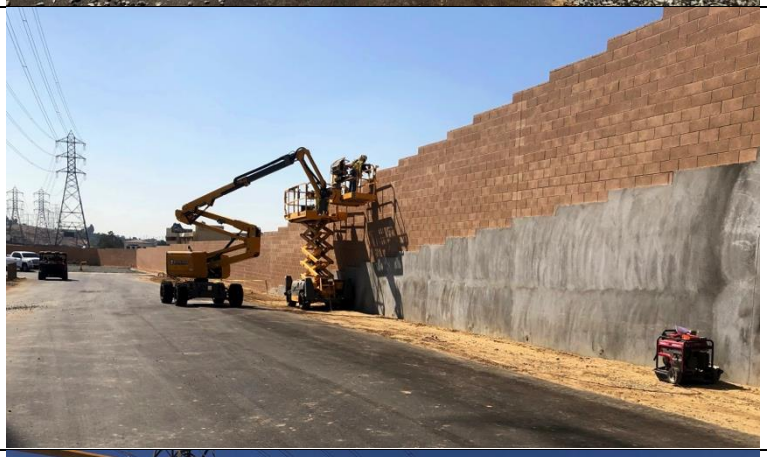
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 1 – Russian thistle within the Transmission Corridor, located south of Highway 60. Photo facing southeast.
10/08/19	Mesa Substation		Photo 2 – The same inadequate drip pan placed under the drill rig parked near the Senior MEER.
10/08/19	Mesa Substation		Photo 3 – Electrical installation along the project roadway. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 4 – Gravel work along the northern boundary wall. Photo facing west.
10/08/19	Mesa Substation		Photo 5 – Work on the northern boundary wall. Photo facing west.
10/08/19	Mesa Substation		Photo 6 – New equipment being delivered into the project site. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 7 – New asphalt catch basin barrier was replaced with a temporary plastic wrapped gravel bag basin. Photo facing south.
10/08/19	Mesa Substation		Photo 8 – Old BMPs near the entrance to the Caltrans concrete channel.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 9 – Old BMPs along the outside of the southern boundary wall. Photo facing east.
10/08/19	Mesa Substation		Photo 10 –Russian thistle and the water seep at the large detention basin Photo facing west.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 11 – Poorly placed drip pan.
10/08/19	Mesa Substation		Photo 12 – Gravel spread on the access road running along the south side of the project site. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Operations Building		Photo 13 – Excavation work being conducted near the eastern entrance – there was no drip pan under the parked equipment.
10/08/19	Mesa Operations Building		Photo 14 – Cement slurry work around the Mesa Operations Building. Photo facing west.
10/08/19	Mesa Substation		Photo 15 – Stockpiled dirt near the Mesa Operations Building – water should be sprayed on the stockpile to prevent dust clouds. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/08/19	Mesa Substation		Photo 16 – Re-grading the Transmission Corridor, located north of Potrero Grande Drive. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	10/14/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	10/14/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	October 16, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS091
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and windy
E & E CM:	Silvia Yanez	**Start/End Time:**	0845 to 1045
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		

Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?		X	
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 0845 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

A motorgrader and front loader were being used to re-work the soil around the Senior Mechanical Electrical Equipment Room (MEER) building in preparation for laying down gravel – Photo 1. The large drill rig remained parked near the Senior MEER building with the same small drip pan that I saw placed underneath it during my previous site visit – Photo 2.

Several crews were working at the northern boundary wall and installing grounding wire – Photo 3. A significant amount of equipment was staged along this boundary wall.

Filter fabric was placed in the "V" ditches under the stormwater runoff grates – Photo 4.

It appeared that most of the electrical installations located along the paved roadway were completed and backfilled – Photo 5.

Construction work was underway at the 16-kilovolt (kV) switchrack area for what appeared to be another version of the catch basin berm – Photo 6.

Installation of light poles along the project roadway was ongoing at numerous locations – Photo 7. The gas-powered generator used for this work was well contained. Open excavations that were not being worked on had labeled boards placed over the holes – Photo 8.

A huge transport rig delivered very large equipment; I think Project Coordinator Pete Lubich (ULM Services, Inc.) called them the AA-Banks – Photo 9.

I saw avian biologist Ben Smith (ICF) at the large detention basin; he was conducting surveys in the basin – Photo 10. The water continued seeping out of the southeast corner of the basin and the weeds remained untouched.

I walked through the large equipment parking area and noted damaged drip pans laying around, equipment without drip pans, and equipment with inadequate drip pans – Photo 11. Not a single piece of equipment was adequately contained.

Excess soil had been transported to the stockpile hill located south of the Existing Mesa Substation – Photo 12. This area was regularly sprayed with water to crust over the new piles.

Several construction crews were working within the Existing Mesa Substation – Photo 13.

Along the access road from the eastern entrance road was an existing vault that was covered up. The hole was partially covered with plywood and empty around the edges – Photo 14. A safety inspector was nearby, and I explained why sealing up the edges was important for preventing small animal entrapment. He also pointed out that the plywood was not labeled. I later talked with Power Grade foreman Jim about sealing this hole.

At the Mesa Operations Building, work continued near the eastern entrance – Photo 15 – and forms were installed for the roadway curbs – Photo 16. A slope along the northern wall at the Mesa Operations Building was covered with concrete – Photo 17. It appeared that a concrete truck washed out in the roadway near the recently poured slope – I pointed this out to Power Grade foreman Jim.

In the Transmission Corridor, located north of Potrero Grande Drive, crews installed "V" ditches at several locations – Photo 16. Once again, I contacted Stormwater Pollution a Prevention Plan (SWPPP) inspector Lucy Cortez-Johnson (CASC) to set up a meeting about best management practices (BMPs) prior to the upcoming rainy season.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Drip pans need to be inspected.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Removal of Russian thistle (a.k.a. tumble weed) should be completed soon, before it begins to separate and spread seeds.

BMP upgrades are needed prior to the upcoming rainy season.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

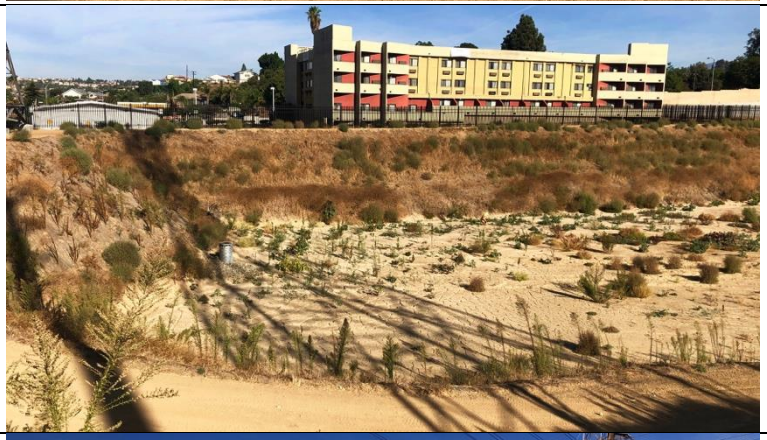
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

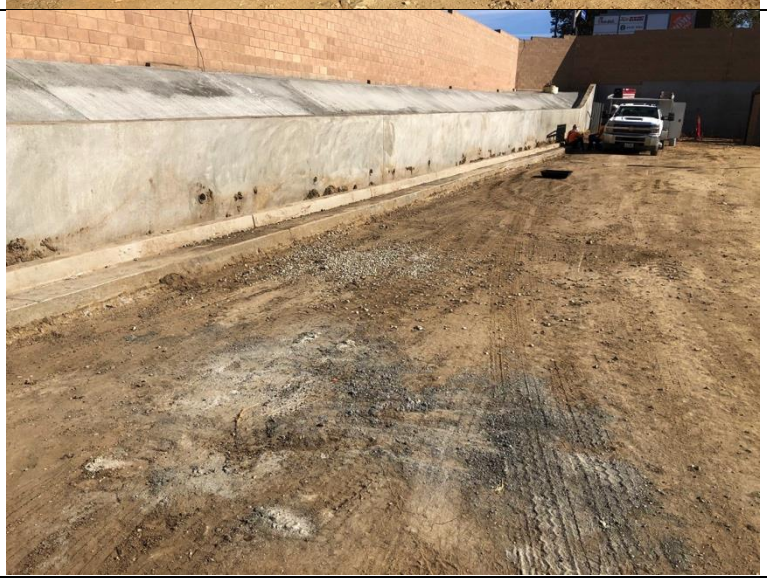
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 1 – Final grading work around the Senior MEER building. Photo facing southwest.
10/16/19	Mesa Substation		Photo 2 – The same inadequate drip pan was placed under the drill rig parked near the Senior MEER.
10/16/19	Mesa Substation		Photo 3 – Work on the northern boundary wall. Photo facing northwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 4 – Filter fabric placed under the storm drain grates.
10/16/19	Mesa Substation		Photo 5 – Electrical equipment installed along the paved roadway. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 6 – Work continued at the containment berm within the 16-kV switchrack area. Photos facing east.
10/16/19	Mesa Substation		Photo 7 – Light pole installation along the paved road – note the well-contained gas generator.
10/16/19	Mesa Substation		Photo 8 – Covered light pole holes.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 9 – New equipment being delivered into the project site. Photo facing southwest.
10/16/19	Mesa Substation		Photo 10 – Large detention basin. Photo facing north.
10/16/19	Mesa Substation		Photo 11 – Equipment parking area. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 12 – Soil stockpiled area. Photo facing southwest.
10/16/19	Mesa Operations Building		Photo 13 – Crews working within the Existing Mesa Substation. Photo facing north.
10/16/19	Mesa Operations Building		Photo 14 – Covered hole needed to be sealed around the boards.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 15 – Construction work around the eastern entry area. Photo facing south.
10/16/19	Mesa Substation – Mesa Operations Building		Photo 16 – Road work along the entry way into the Mesa Operations Building. Photo facing north.
10/16/19	Mesa Substation – Mesa Operations Building		Photo 17 – Concrete work completed along the northern wall – note the concrete washout on the dirt. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/16/19	Mesa Substation		Photo 18 – Concrete "V" ditch installed within the Transmission Corridor, located north of Potrero Grande Drive. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	10/18/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	10/19/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	October 23, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS092
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and windy
E & E CM:	Silvia Yanez	**Start/End Time:**	1130 to 1345
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		

Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?		X	
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1130 and met with Stormwater Pollution Prevention Plan (SWPPP) inspector Lucy Cortez-Johnson (CASC). We toured the site and discussed the best management practice (BMP) work needed in preparation for the upcoming rainy season. Our first stop was at the "triangular" retention basin – Photo 1. Sediment captured in this basin was several feet deep, allowing invasive weeds to grow in it. I asked if it was going to be cleaned out prior to the upcoming rainy season. Lucy Cortez-Johnson was going to check with SCE personnel, as she was unsure about their plan.

We looked at the large detention basin, which also contained many cubic yards of captured sediment and a substantial amount of invasive weeds – Photo 2. SWPPP inspector Lucy Cortez-Johnson (CASC) mentioned that this basin was scheduled to be re-worked in November 2019 to make it smaller and not as deep. The inlet culvert would also be re-worked during the same time.

We observed work being completed north of Potrero Grande Drive where crews were installing jute netting on the slopes, with additional straw wattles and a hydro-mulching to follow – Photo 3. All the straw wattles would be installed with a type 2 technique, since they would be anchored down over an erosion blanket. I asked SWPPP inspector Lucy Cortez-Johnson (CASC) about the concrete "V" ditches that direct the runoff onto Potrero Grande Drive; she believed that the sediment control measures would prevent muddy water from running into the street – Photo 4.

The stormwater drainage problem area along the southern portion of the project site would also be re-worked in November. SWPPP inspector Lucy Cortez-Johnson (CASC) mentioned that crews would mobilize and work on this area as soon as they were finished with their work north of Potrero Grande Drive. The plan was to redirect much of the stormwater runoff into the large detention basin. The old BMPs located outside of the southern boundary wall would be removed, the area would be regraded with a new erosion blanket, and additional wattles would be installed; the area would then be hydro-mulched.

Power Grade crews were installing lighting poles, and work continued at the northern boundary wall – Photo 5

Work continued at the 16-kilovolt (kV) switchrack area for what appeared to be the final version of the catch basin berm – Photo 6.

Biological monitors, Matt Daniele (ICF), and avian biologist, Ben Smith (ICF), were onsite.

The large equipment parking area continued to lack adequate containment – Photo 7. Not a single piece of equipment was adequately contained, and no actions were taken to remedy the problem. A better system of containment is recommended.

A crew was installing new lattice steel towers (LSTs) in the southeastern portion of the project area – Photo 8. Project Coordinator Pete Lubich (ULM Services, Inc.) said that crews would be focusing on installing the new towers during the following weeks.

The open excavated hole I saw during my previous site visit was well covered and sealed – Photo 9.

Work continued in and around the Mesa Operations Building.

SCE crews were working in the vault system, located east of Market Place Drive – Photo 10.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Drip pans need to be inspected.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Removal of Russian thistle (a.k.a. tumble weed) should be completed soon, before it begins to separate and spread seeds.

BMP upgrades are needed prior to the upcoming rainy season.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

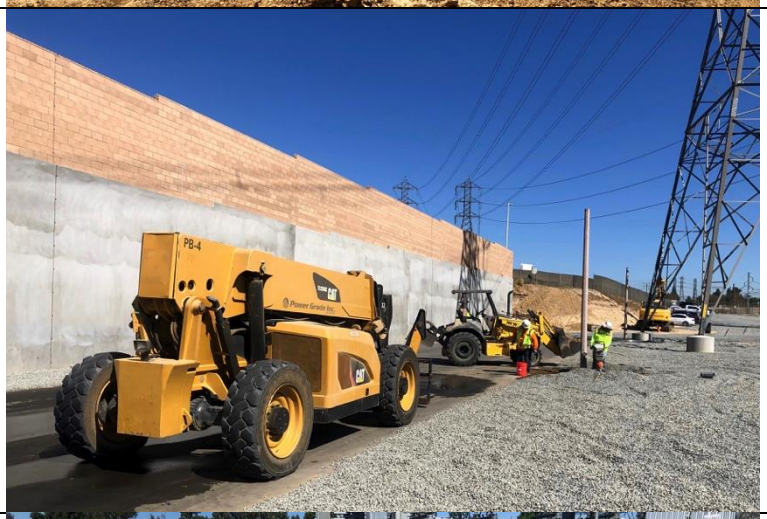
☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

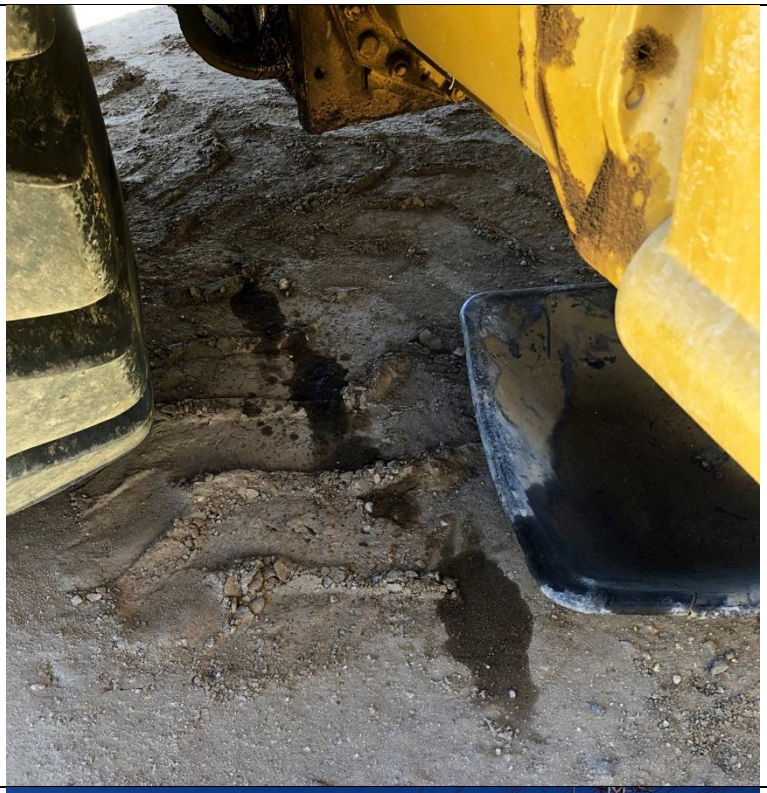
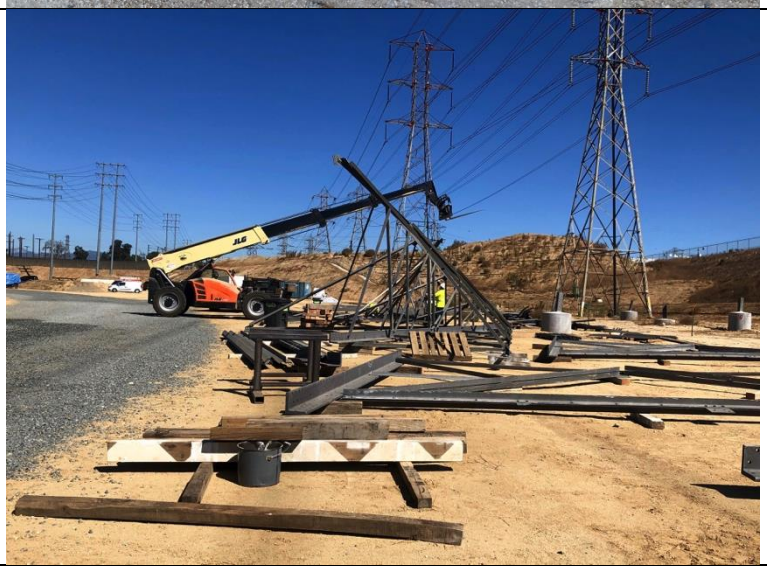
☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/23/19	Mesa Substation		Photo 1 – Triangular retention basin. Photo facing northwest.
10/23/19	Mesa Substation		Photo 2 – The large detention basin. Photo facing east.
10/23/19	Mesa Substation		Photo 3 – BMP work within the Transmission Corridor, located north of Potrero Grande Drive. Photo facing southwest.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/23/19	Mesa Substation		Photo 4 – New "V" ditch draining out onto Potrero Grande Drive.
10/23/19	Mesa Substation		Photo 5 – Electrical light poles installed along the paved roadway. Photo facing east.
10/23/19	Mesa Substation		Photo 6 – Work continued at the containment berm, located within the 16-kV switchrack area. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/23/19	Mesa Substation		Photo 7 – Inadequate containment under large equipment.
10/23/19	Mesa Substation		Photo 8 – Lattice work towers under construction. Photo facing east.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/23/19	Mesa Substation		Photo 9 – Well covered hole. Photo facing northwest.
10/23/19	Mesa Substation		Photo 10 – Crews were working in the vaults north of Market Place Drive. Photo facing north.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	10/29/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	10/30/19

Mesa 500–kV Substation Project
CPUC Site Inspection Form

Project:	Mesa 500-kV Substation Project	**Date:**	October 30, 2019
Project Proponent:	Southern California Edison	**Report #:**	VS093
Lead Agency:	California Public Utilities Commission	**Monitor(s):**	Vince Semonsen
CPUC PM:	Connie Chen, Energy Division	**AM/PM Weather:**	Hazy sunshine, mild temperatures, and windy
E & E CM:	Silvia Yanez	**Start/End Time:**	1215 to 1500
Project NTP(s):	NTP-1, NTP-2		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all new hires (construction and monitors)?	X		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (BMPs) been installed?	X		
Are erosion and sediment control measures (BMPs) properly installed (without apparent deficiencies) and functioning as intended during rain events?	X		
Are measures in place to avoid/minimize mud tracking onto public roadways, in accordance with the project's SWPPP?	X		
Is dust control being implemented (i.e., access roads watered, haul trucks covered, dirt piles are tarped, streets cleaned on a regular basis)?	X		
Are work areas being effectively watered prior to excavation or grading?	X		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	X		
Equipment	Yes	No	N/A
Are observed vehicles maintaining a speed limit of 15 mph on unpaved roads? *Except for the scrapers.*	X		
Are observed vehicles/equipment arriving onsite clean of sediment or plant debris?	X		
Are observed vehicles/equipment turned off when not in use?	X		
Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	X		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources?	X		

Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	X		
Are excavations and trenches covered at the end of the day?	X		
Are wildlife escape ramps installed at 100-foot intervals with ramps not exceeding 2:1 slopes?	X		
Biology	Yes	No	N/A
Have preconstruction surveys been completed for biological (wildlife, nesting birds, coastal California gnatcatcher, least Bell's vireo) resources, as appropriate?	X		
Are biological monitors present onsite?	X		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, biological monitor, appropriate buffer distance enacted)?	X		
Has wildlife been relocated from work areas? If yes, describe below.		X	
Have impacts occurred to adjacent habitat (sensitive or non-sensitive)? If yes, describe below.		X	
Did you observe any threatened or endangered species? If yes, describe below.		X	
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts to these features?			X
Have there been any work stoppages for biological resources? If yes, describe below.		X	
Cultural and Paleontological Resources	Yes	No	N/A
Are identified cultural/paleo resources that will not be relocated/salvaged clearly marked for exclusion?			X
Are archaeological and paleontological monitors onsite, if needed?	X		
Are appropriate buffers maintained around sensitive resources (e.g. cultural sites)?			X
Have there been any work stoppages for cultural/paleo resources? If yes, describe below.		X	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used on site properly managed?	X		
Are procedures in place to prevent spills and accidental releases?		X	
Are required fire prevention and control measures in place?	X		
Are contaminated soils properly managed for onsite storage or offsite disposal?	X		
Work Hours and Noise	Yes	No	N/A
Are required night lighting reduction measures in place?	X		
Is construction occurring within approved hours?	X		
Are required noise control measures in place?			X

AREAS MONITORED (i.e., structure numbers, yards, or substations)

The Mesa Substation work, the Mesa Operations Building work, the stormwater drainpipe system, conduit installation, wall construction, and the Transmission Corridor north of Potrero Grande Drive.

DESCRIPTION OF OBSERVED ACTIVITIES (i.e., mitigation measures of particular focus or concern, construction activity, any discussions with first-party monitors or construction crews)

I arrived onsite at 1215 and notified Project Coordinator Pete Lubich (ULM Services, Inc.).

The exit/entry rumble plates were relatively clean. There were gusty winds; therefore, a water truck was being used to spray the project site roads to suppress dust – Photo 1. Toward the end of my site visit, I noted a street sweeper cleaning the public roads around the site. The large drill rig parked near the project entrance had a small drip pan placed underneath it – Photo 2.

A small crew was pulling wire to the numerous new light poles throughout the site – Photo 3.

New equipment was delivered onsite and stockpiled near the 16-kilovolt (kV) switchrack area – Photo 4.
I did not see crews working at the 220-kV switchrack area; a small crew was working in the 66-kV switchrack area – Photo 5.

The catch basin berm within the 16-kV switchrack area appeared complete – Photo 6. Some plastic conduit pipe was installed under the asphalt berm at two locations; no shut off valves were installed – Photo 7.

Power Grade crews continued to work on the installation of protective barriers. A concrete truck poured concrete on a set of protective barriers near the southern gate – Photo 8.

More gravel was being delivered onsite and being spread out along the northern portion of the site – Photo 9.

A large excavator was parked at the southeast corner of the large detention basin and appeared to have completed work around the water seep location – Photo 10. A crew with a smaller excavator was operating along the northern slope of the detention basin. The small excavator was removing old wattles, jute netting, and weeds – Photo 11. The area was dusty; therefore, a crew with a water truck was onsite and spraying the area to minimize dust. Slope preparation was almost complete.

Project Coordinator Pete Lubich (ULM Services, Inc.) said they expected the upgrades to the large detention basin to take approximately nine weeks. I sent a text to Pete Lubich and Lori Rangel (SCE) requesting to be notified when the work on the standpipe in the detention basin begins.

No work had been completed in the small “triangular” retention basin – Photo 12.

A crew was placing rock at a location across East Markland Drive, immediately south of the new storage building – Photo 13. The work was generating dust that was blowing west across Markland Drive. I spoke to the operator and recommended getting a water truck to spray this work area.

Some old straw wattles located outside of the southern boundary wall were removed – Photo 14.
SCE crews continued to install new lattice steel towers (LSTs) – Photo 15.

Poles for a chain link fence were being installed along the southeastern boundary of the project site – Photo 16. This work and the installation of the LSTs were near an environmentally sensitive area (ESA), therefore, avian biologist Ben Smith (ICF), monitored the work.

Construction work at the Mesa Operations Building included the installation of grounding wire around the east entrance –

Photo 17 – and paving of the roadway into the building – Photo 18. I walked through this area with biological monitor Wayne Woodroof (Noreas).

The best management practice (BMP) work being completed north of Potrero Grande Drive was progressing. Erosion blanket and wattle installation was nearly complete – Photos 19 & 20. I spoke briefly with Stormwater Pollution Prevention Plan (SWPPP) inspector Lucy Cortez-Johnson (CASC) who was onsite.

MITIGATION MEASURES VERIFIED (Refer to MMCRP, e.g., MM BR-9. Report only on MMs pertinent to your observations today)

All project personnel appear to have completed Worker Environmental Awareness Program (WEAP) training (MM BR-5). See the mitigation measures (MMs) listed in the observed activities.

RECOMMENDED FOLLOW-UP (i.e., items to check on next visit, minor issues to resolve)

Drip pans should be upgraded.

COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS (i.e., suggestions to improve compliance on-site, environmental observations of note)

Removal of Russian thistle (a.k.a. tumble weed) is needed within the Transmission Corridor south of Highway 60.

COMPLIANCE SUMMARY

Below please describe any non-compliance issues or new biological/cultural discoveries that have occurred since your last visit. If you observe a non-compliance issue in the field, please note this on the monitoring datasheet, and for non-compliance Level 2 or 3 fill out and submit a separate Non-Compliance Report Form to E & E Compliance Manager. Inform E & E CM of any non-compliance incidents.

☐ New biological or cultural discovery requiring compliance with mitigation measures, permit conditions, etc. If checked, please describe discovery and documentation/verification below.

☐ Non-compliance – Level 1: An action that deviates from project requirements or results in the partial implementation of the mitigation measures, but has not caused, or has the potential to cause impacts on environmental resources. If you checked this box, describe the incident below and follow-up to ensure correction.

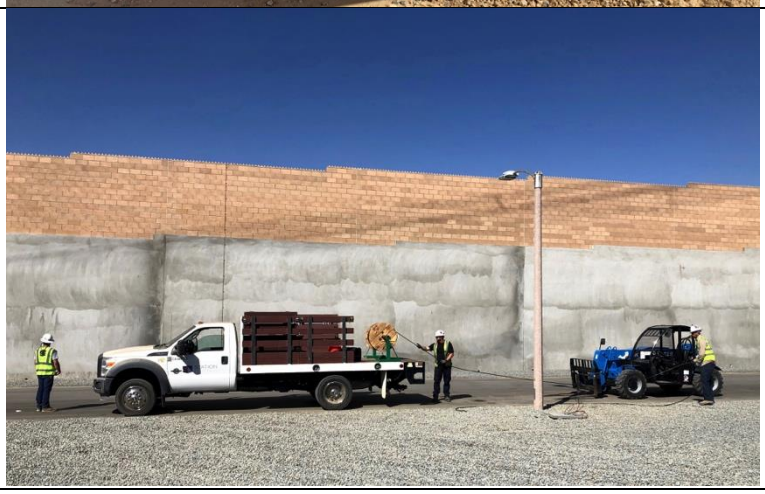
☐ Non-Compliance Level 2: An action that deviates from project requirements or mitigation measures that has caused, or has the potential to cause minor impacts on environmental resources. A non-compliance Level 2 situation may occur when Level 1 incidents are repeated, and show a trend toward placing resources at unnecessary risk. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-Compliance Level 3: An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the APMs, mitigation measures, permit conditions, approval requirements (e.g. minor project changes, notice to proceed), and/or violates local, state, or federal law. Examples include irreparable damage to archaeological sites, destruction of active bird nests, and grading of unapproved vegetated areas. A non-compliance Level 3 may also be issued if Level 2 incidents are repeated. If you checked this box, please fill out a Non-Compliance Report.

☐ Non-compliance issues reported by SCE: Were there any new non-compliance issues reported by SCE monitors since your last visit? If so, describe issues and resolution and include SCE report identification number.

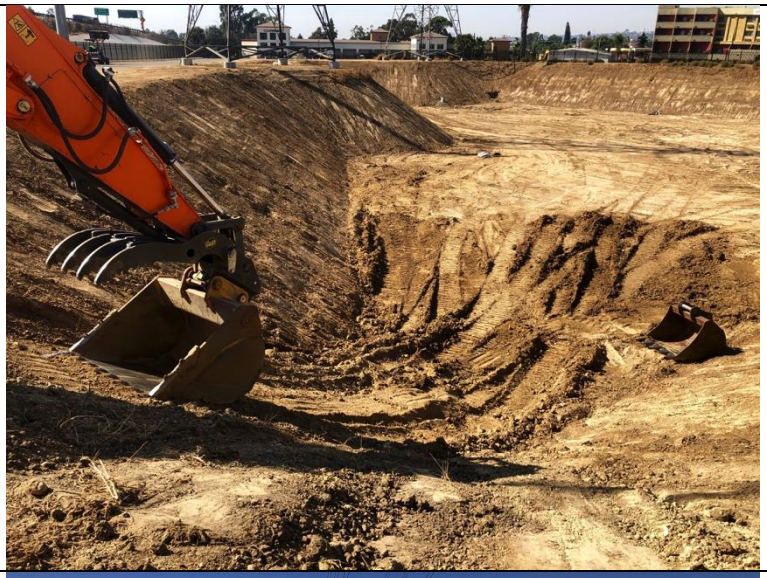
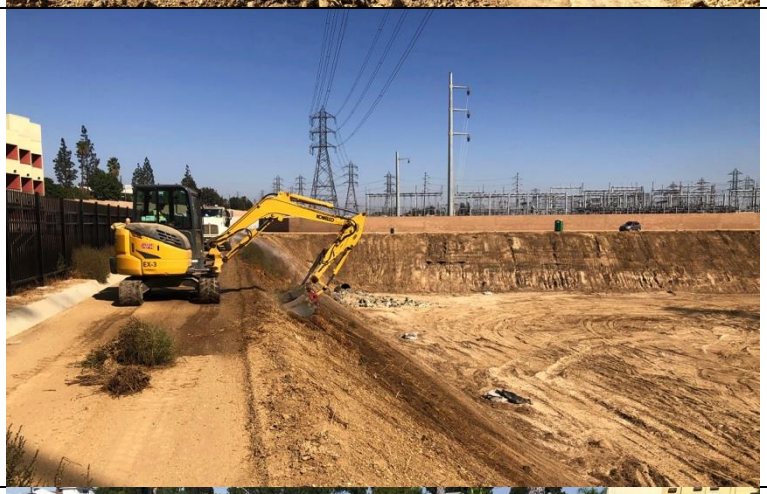
Date	Non-Compliance Issue and Resolution	Relevant Mitigation Measure	NC Report #

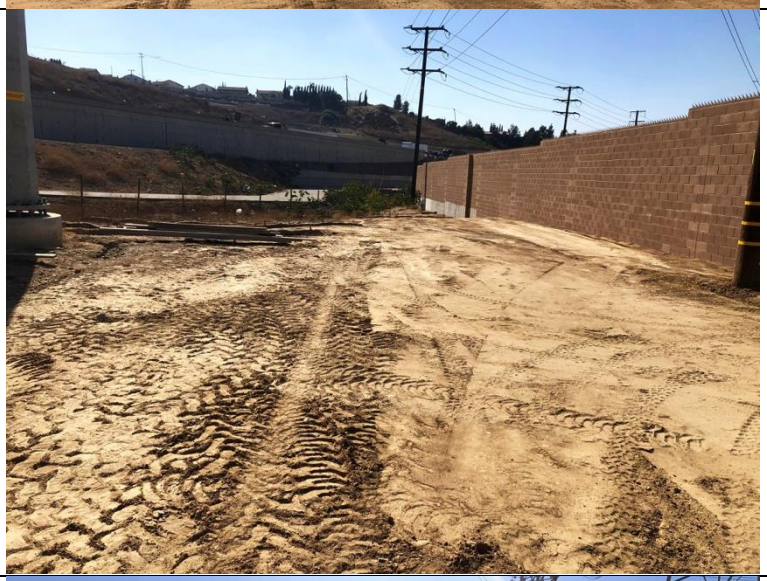
PREVIOUS NON-COMPLIANCE ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:

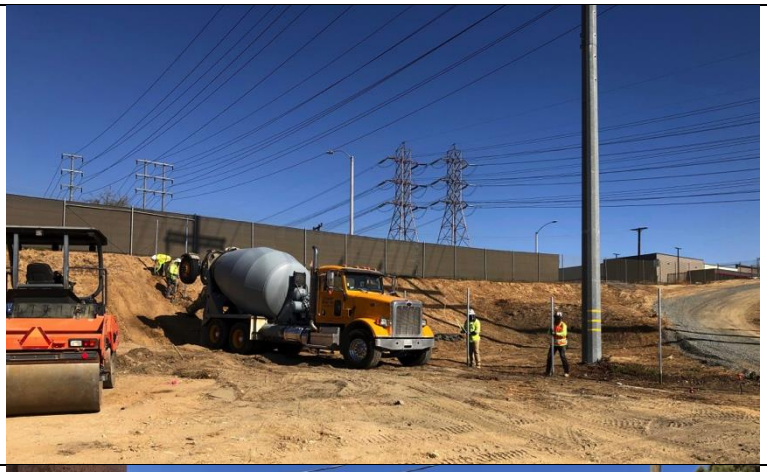
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 1 – Gravel installation was completed around the Senior MEER – a water truck was hitting the gravel. Photo facing south.
10/30/19	Mesa Substation		Photo 2 – Inadequate drip containment under parked equipment.
10/30/19	Mesa Substation		Photo 3 – Pulling electrical wire for the lighting poles around the site. Photo facing north.

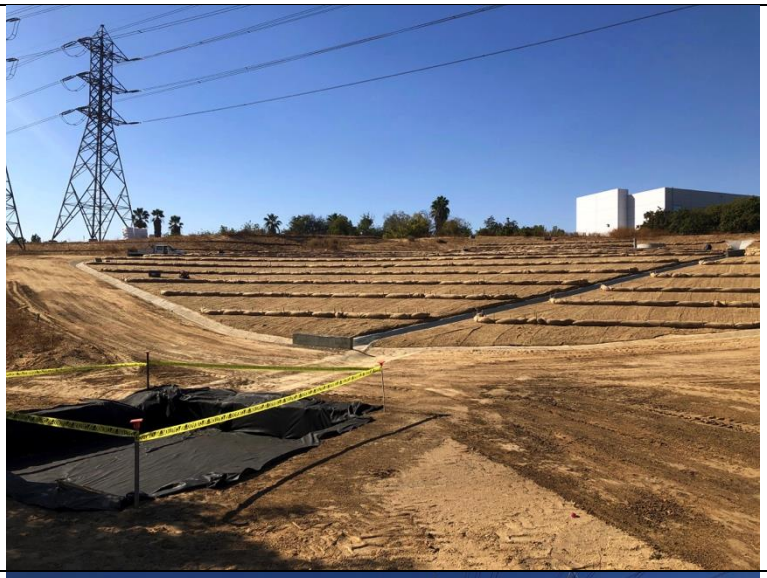
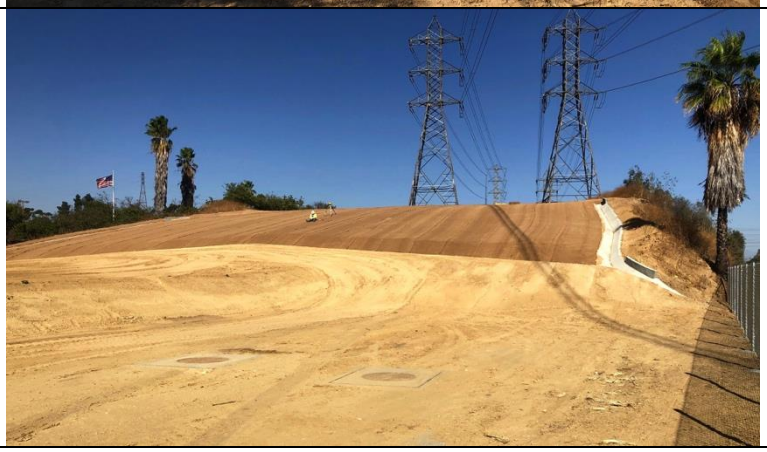
REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 4 – New equipment being staged onsite. Photo facing west.
10/30/19	Mesa Substation		Photo 5 – Crews working within the 66-kV switchrack area. Photo facing east.
10/30/19	Mesa Substation		Photo 6 – Containment berm within the 16-kV rack area. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 7 – Drain hole within the 16-kV switchrack area containment berm.
10/30/19	Mesa Substation		Photo 8 – Barrier installation near the southern wall gate. Photo facing north.
10/30/19	Mesa Substation		Photo 9 – Gravel installation along the northern portion of the project site. Photo facing northeast.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 10 – Some excavation work was completed within the southeast corner of the large detention basin. Photo facing west.
10/30/19	Mesa Substation		Photo 11 – Removal of the wattles, old netting and Weeds from the slopes of the large detention basin. Photo facing east.
10/30/19	Mesa Substation		Photo 12 – Small triangular retention basin. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 13 – Gravel work was being completed west of East Markland Drive near the new storage facility. Photo facing west.
10/30/19	Mesa Substation		Photo 14 – Some of the old BMPs were removed outside of the southern boundary wall. Photo facing southwest.
10/30/19	Mesa Substation		Photo 15 – LSTs were being installed. Photo facing south.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 16 – Poles for a chain link fence were being poured along the southern boundary of the project site. Photo facing east.
10/30/19	Mesa substation		Photo 17 – Grounding wire installation near the new eastern entryway. Photo facing north.
10/30/19	Mesa Substation		Photo 18 – Paving was complete around the Mesa Operations Building. Photo facing north.

REPRESENTATIVE SITE PHOTOGRAPHS			
Date	**Location**	**Photo**	**Description**
10/30/19	Mesa Substation		Photo 19 – BMP installation continued within the Transmission Corridor, located north of Potrero Grande Drive. Photo facing north.
10/30/19	Mesa Substation		Photo 20 - BMP installation continued within the Transmission Corridor, located north of Potrero Grande Drive. Photo facing east.

Completed by:	Vince Semonsen
Firm:	Ecotech Resources, Inc.
Date:	11/03/19

Reviewed by:	Jeff Root
Firm:	Ecotech Resources, Inc.
Date:	11/04/19